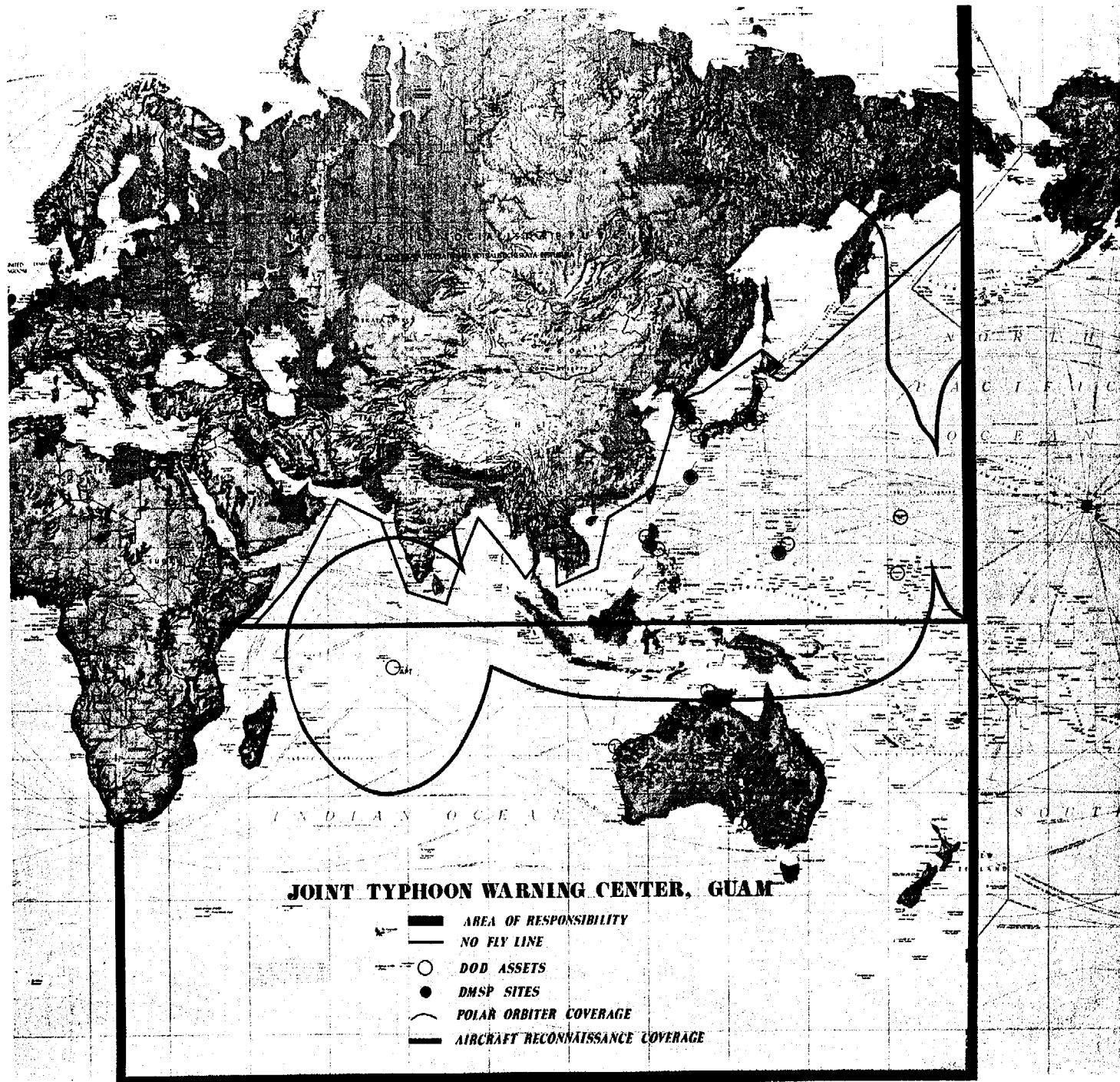


1983
ANNUAL
TROPICAL
CYCLONE
REPORT



JOINT TYPHOON WARNING CENTER
GUAM, MARIANA ISLANDS



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FOREWORD

The Annual Tropical Cyclone Report is prepared by the staff of the Joint Typhoon Warning Center (JTWC), a combined USAF/USN organization operating under the command of the Commanding Officer, U.S. Naval Oceanography Command Center/Joint Typhoon Warning Center, Guam. JTWC was established in April 1959 when USCINCPAC directed USCINCPACFLT to provide a single tropical cyclone warning center for the western North Pacific region. The operations of JTWC are guided by USCINCPACINST 3140.1 (series).

The mission of the Joint Typhoon Warning Center is multi-faceted and includes:

1. Continuous meteorological monitoring of all tropical activity in the Northern and Southern Hemispheres, from 180 degrees longitude westward to the east coast of Africa, to anticipate tropical cyclone development.
2. Issuing warnings for all significant tropical cyclones in the above area of responsibility.
3. Determination or reconnaissance requirements for tropical cyclone surveillance and assignment of appropriate priorities.
4. In depth post-storm analysis of all tropical cyclones occurring within the western North Pacific and North Indian Oceans for publication in this report.
5. Cooperation with the Naval Environmental Prediction Research Facility, Monterey, California, on the operational evaluation of tropical cyclone models and forecast aids, and the development of new techniques to support operational forecast scenarios.

Should JTWC become incapacitated, the Alternate JTWC (AJTWC), located at the U.S. Naval Western Oceanography Center, Pearl Harbor, Hawaii, assumes warning responsibilities. Assistance in determining satellite reconnaissance requirements, and in

obtaining the resultant data, is provided by Detachment 4, LWW, Hickman AFB, Hawaii.

Satellite imagery used throughout this report represents data obtained by the tropical cyclone satellite surveillance network. The personnel of Det 1, LWW, colocated with JTWC at Nimitz Hill, Guam, coordinate the satellite acquisitions and tropical cyclone surveillance by the following units:

Det 5, LWW, Clark AB, RP
Det 8, LWW, Kadena AB, Japan
Det 15, 30WS, Osan AB, Korea
Det 4, LWW, Hickam AFB, Hawaii
Air Force Global Weather Central,
Offutt AFB, Nebraska

In addition, the Naval Oceanography Command Detachment, Diego Garcia, and DMSP equipped U.S. Navy aircraft carriers have been instrumental in providing vital satellite position fixes of tropical disturbances in the Indian Ocean.

In line with the proposals to implement metric units of measurements within the United States over the next few years, various civilian and military organizations have begun extensive educational programs through use of metric equivalents in their publications. This report will include metric unit equivalent measures whenever possible.

A special thanks is extended to the men and women of: 27th Communication Squadron, Operating Location C, for their continuing support by providing high quality, real-time satellite imagery; the Pacific Fleet Audio-Visual Center, Guam, for their assistance in the reproduction of satellite and graphics data for this report; to the Navy Publications and Printing Service Branch Office, Guam, for their efforts to meet publication deadlines; and to Mrs. Bernadita Manipol for her patience and perseverance in typing the many drafts and the final manuscript of the report.

NOTE: Appendix 5 contains information on how to obtain past issues of the Annual Typhoon Report (redesignated Annual Tropical Cyclone Report in 1980).

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<u>TROPICAL CYCLONE</u>	<u>AUTHOR</u>	<u>PAGE</u>	<u>TROPICAL CYCLONE</u>	<u>AUTHOR</u>	<u>PAGE</u>
(01W) TS SARAH	EDSON -----	16	(13W) TS HERBERT	ALLEN -----	58
(02W) TY TIP	ALLEN -----	18	(14W) TY IDA	SHERMAN -----	60
(03W) TY VERA	WEIR -----	20	(15W) TY JOE	OLDER -----	62
(04W) STY WAYNE	PELLEY -----	24	(16W) TS KIM	COLUMBUS -----	66
(05W) STY ABBY	LILIANSTROM--	28	(17W) TY LEX	LILIANSTROM--	70
(06W) TS CARMEN	JONES -----	32	(18W) STY MARGE	JONES -----	74
(07W) TS BEN	ALLEN -----	36	(19W) TS NORRIS	ALLEN -----	78
(08W) TS DOM	WEIR -----	38	(20W) TY ORCHID	SHERMAN -----	82
(09W) TD 09W	OLDER -----	44	(21W) TY PERCY	OLDER -----	86
(10W) TY ELLEN	COLUMBUS -----	46	(22W) TS RUTH	COLUMBUS -----	88
(11W) STY FORREST	LILIANSTROM--	52	(23W) TS SPERRY	LILIANSTROM--	92
(12W) TS GEORGIA	JONES -----	56	(24W) TS THELMA	JONES -----	94
			(02C) TD 02C	WEIR -----	96

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---	----

INDIVIDUAL TROPICAL CYCLONES

<u>TROPICAL CYCLONE</u>	<u>AUTHOR</u>	<u>PAGE</u>	<u>TROPICAL CYCLONE</u>	<u>AUTHOR</u>	<u>PAGE</u>
(01A) TC 01A	WEIR -----	100	(03B) TC 03B	SHERMAN -----	104
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